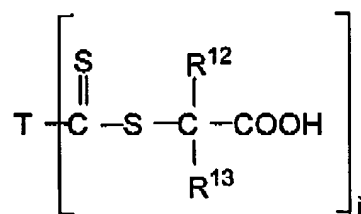


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IN THE CLAIMS:

Please amend the claims as set forth in the listing of claims below.

1. (currently amended) A composition, comprising a free radically polymerizable monomer selected from a conjugated diene monomer, a vinyl group containing monomer and combinations thereof and a dithiocarbamate compound having the formula:



wherein j is 1 or 2;

wherein R¹² and R¹³, independently, ~~is are~~ the same or different, ~~is are~~ optionally substituted, and ~~is are~~ a linear or branched alkyl having from 1 to about 12 carbon atoms; or an aryl group having from 6 to about 18 carbon atoms, ~~optionally containing heteroatoms~~; or R¹² and R¹³ can form and be part of a substituted or unsubstituted cyclic ring having from 3 to about 12 carbon atoms, wherein said substituted groups above are independently selected from alkyl having from 1 to 6 carbon atoms; an aryl group; a halogen; a cyano group; an ether having a total of from 2 to about 20 carbon atoms; a nitro; and combinations thereof;

with the proviso that when j is 1, T is (-NR¹⁵R¹⁶), and when j is 2, T is a divalent radical having a nitrogen atom directly connected to each carbon atom of the two thiocarbonyl groups; and

wherein R¹⁵ and R¹⁶, independently, ~~is are~~ the same or different, optionally substituted, ~~optionally contains heteroatoms~~, and is hydrogen; or a linear or branched alkyl having from 1 to about 18 carbons; or an aryl group or an aryl alkyl group having from 6 to about 18 carbon atoms, optionally saturated or unsaturated; or an arylalkyl having from 7 to about 18 carbons; or an alkenealkyl having from 3 to about 18 carbon atoms; or derived from polyalkylene glycol ether; or derived from an amine; or R¹⁵ and R¹⁶ are in the form of a substituted or unsubstituted

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cyclic ring with the nitrogen atom having a total of 4 to about 12 carbon atoms; wherein when optionally substituted said R¹⁵ and R¹⁶ groups are substituted with a substituent selected from an alkyl having from 1 to 6 carbon atoms; an aryl; a halogen; a cyano group; an amino group; an alkene group; an alkoxycarbonyl group; an aryloxy carbonyl group; a carboxy group; an acyloxy group; a carbamoyl group; an alkylcarbonyl group; an alkylarylcarbonyl group; an arylcarbonyl group; an arylalkylcarbonyl group; a phthalimido group; a maleimido group; a succinimido group; amidino group; guanidino group; allyl group; epoxy group; alkoxy group; an alkali metal salt; a quaternary ammonium salt; a hydroxyl group; an ether having a total of from 2 to about 20 carbon atoms; a nitro group; a sulfur group; phosphorous group a carboalkoxy group; a heterocyclic group containing one or more sulfur, oxygen or nitrogen atoms; and combinations thereof.

2. (currently amended) A composition according to claim 1, wherein j is 1, and wherein R¹² and R¹³, independently, is are a phenyl group, or an alkyl group having 1 to about 10 carbon atoms, or wherein R¹² and R¹³ are part of said cyclic ring.

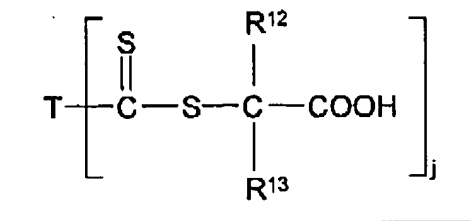
3. (currently amended) A composition according to claim 1, wherein j is 1, and wherein R¹⁵ and R¹⁶, independently, is are a phenyl group, or an alkyl group having from 1 to about 10 carbon atoms, or hexamethylene, or wherein R¹⁵ and R¹⁶ are part of said cyclic ring.

4. (currently amended) A composition according to claim 2, wherein R¹⁵ and R¹⁶, independently, is are a phenyl group, or an alkyl group having from 1 to about 10 carbon atoms, or hexamethylene, or wherein R¹⁵ and R¹⁶ are part of said cyclic ring.

5. (currently amended) A composition according to claim 4, wherein R¹² and R¹³ independently, is are an alkyl having from 1 to about 4 carbon atoms, or wherein R¹² and R¹³ are part of said cyclic ring.

6. (currently amended) A composition ~~according to claim 1, wherein j is 2 and T is~~
A composition, comprising a dithiocarbamate compound having the formula:

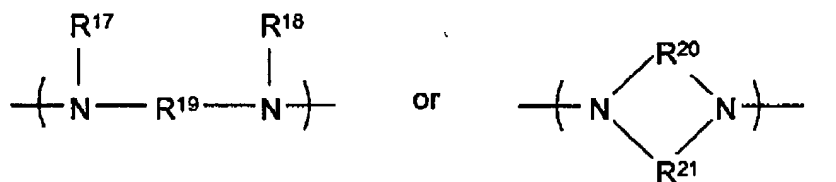
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wherein j is 1 or 2;

wherein R^{12} and R^{13} , independently, are the same or different, is optionally substituted, and is a linear or branched alkyl having from 1 to about 12 carbon atoms; or an aryl group having from 6 to about 18 carbon atoms; or R^{12} and R^{13} can form and be part of a substituted or unsubstituted cyclic ring having from 3 to about 12 carbon atoms, wherein said substituted groups above are independently selected from alkyl having from 1 to 6 carbon atoms; an aryl group; a halogen; a cyano group; an ether having a total of from 2 to about 20 carbon atoms; a nitro; and combinations thereof;

wherein T is a divalent radical having a nitrogen atom directly connected to each carbon atom of the two thiocarbonyl groups and is represented by the formulae:



wherein R^{17} and R^{18} , independently, ~~is~~ are the same or different, ~~is~~ are optionally substituted, and ~~is~~ are hydrogen; a linear or branched alkyl having from 1 to about 18 carbon atoms; or an aryl group having from about 6 to about 18 carbon atoms; or an arylalkyl having from 7 to about 18 carbon atoms; or ~~a~~ an alkenealkyl having from 3 to about 18 carbon atoms;

wherein R^{19} is optionally substituted, or is non-existent; or an alkylene group having from 1 to about 18 carbon atoms; or derived from a polyalkylene glycol either having from 3 to about 200 carbon atoms; and wherein R^{20} and R^{21} , independently, ~~is~~ are the same or different, and ~~is~~ are

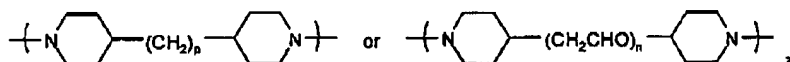
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optionally substituted, and is are an alkylene group having from 1 to about 4 carbon atoms; wherein when optionally substituted said R¹⁷, R¹⁸, R¹⁹, R²⁰ and R²¹ groups are substituted with a substituent selected from an alkyl having from 1 to 6 carbon atoms; an aryl; a halogen; a cyano group; a nitro group; an ether having a total of 2 to 20 carbon atoms; and combinations thereof.

7. (original) A composition according to claim 1, wherein j is 2 and wherein T is:



wherein n is 0 to about 18.

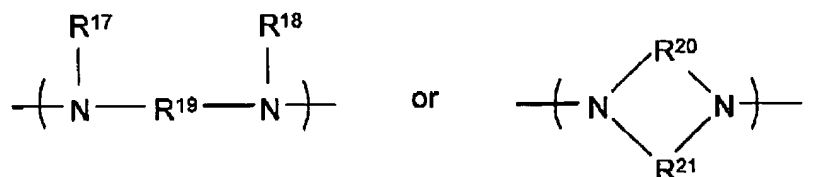
8. (currently amended) A composition according to claim 6, wherein R¹² and R¹³, independently, is are a phenyl group, or an alkyl group having 1 to about 10 carbon atoms, or R¹² and R¹³ are part of a cyclic ring having 3 to about 12 carbon atoms; and wherein R²⁰ and R²¹ have a total of 3 to 5 carbon atoms.

9. (currently amended) A composition according to claim 7, wherein R¹² and R¹³, independently, is are a phenyl group, or an alkyl group having 1 to about 10 carbon atoms, or R¹² and R¹³ are part of a cyclic ring having from 3 to about 12 carbon atoms; and wherein n is 0 to about 6.

Cancel claims 10 to 29

30. (new) A composition of claim 1 wherein T is represented by the formulae:

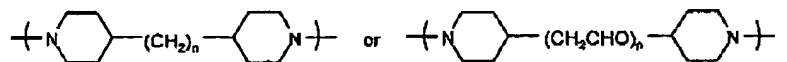
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wherein R^{17} and R^{18} , independently, are the same or different, are optionally substituted, and are hydrogen; a linear or branched alkyl having from 1 to about 18 carbon atoms; or an aryl group having from about 6 to about 18 carbon atoms; or an arylalkyl having from 7 to about 18 carbon atoms; or an alkenealkyl having from 3 to about 18 carbon atoms;

wherein R^{19} is optionally substituted, or is non-existent; or an alkylene group having from 1 to about 18 carbon atoms; or derived from a polyalkylene glycol either having from 3 to about 200 carbon atoms; and wherein R^{20} and R^{21} , independently, are the same or different, and are optionally substituted, and are an alkylene group having from 1 to about 4 carbon atoms; wherein when optionally substituted said R^{17} , R^{18} , R^{19} , R^{20} and R^{21} groups are substituted with a substituent selected from an alkyl having from 1 to 6 carbon atoms; an aryl; a halogen; a cyano group; a nitro group; an ether having a total of 2 to 20 carbon atoms; and combinations thereof.

31. (new) A composition according to claim 1, wherein T is represented by the formulae:



wherein n is 0 to about 18.